### INTERNATIONAL SEARCH REPORT

International Application No PCT/CH 02/00685

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 F25B41/06

According to International Patent Classification (IPC) or to both national classification and IPC

#### **B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols) IPC 7 - F25B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

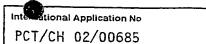
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

#### PAJ, EPO-Internal

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 01, 14 January 2003 (2003-01-14) -& JP 2002 267279 A (ZEXEL VALEO CLIMATE CONTROL CORP), 18 September 2002 (2002-09-18) abstract, paragraph 20; figure 2	1,2
A	EP 1 014 013 A (SANDEN CORP) 28 June 2000 (2000-06-28) column 4, line 8 -column 12, line 17; figures 1-4	1-3
A	DE 100 53 203 A (DENSO CORP; NIPPON SOKEN (JP)) 7 June 2001 (2001-06-07) column 5, line 40 -column 29, line 68; figures 1-36	1,2,4,6,

Pointer documents are listed in the communion of box C.	Patent family members are listed in annex.
<ul> <li>Special categories of cited documents:</li> <li>"A" document defining the general state of the art which is not considered to be of particular relevance</li> <li>"E" earlier document but published on or after the international filling date</li> <li>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</li> <li>"O" document referring to an oral disclosure, use, exhibition or other means</li> <li>"P" document published prior to the international filing date but iater than the priority date claimed</li> </ul>	<ul> <li>'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</li> <li>'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combined with one or more other such documents, such combination being obvious to a person skilled in the art.</li> <li>'&amp;' document member of the same patent family</li> </ul>
Date of the actual completion of the international search  11 September 2003	Date of mailing of the international search report  19/09/2003
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nt,  Fax: (+31-70) 340-3016	Authorized officer  Boets, A

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Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
US 4 835 980 A (OYANAGI REINOSUKE ET AL) 6 June 1989 (1989-06-06) column 1, line 14 -column 3, line 35 column 10, line 22 -column 18, line 53; figures 1,10-15	1,3,6
DE 44 30 468 A (DANFOSS AS) 29 February 1996 (1996-02-29) column 2, line 58 -column 3, line 68; figure	1,4,10
US 4 878 355 A (BECKEY THOMAS J ET AL) 7 November 1989 (1989-11-07) column 2, line 13 -column 5, line 9; figures 1-5	1,4
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	6 June 1989 (1989-06-06) column 1, line 14 -column 3, line 35 column 10, line 22 -column 18, line 53; figures 1,10-15  DE 44 30 468 A (DANFOSS AS) 29 February 1996 (1996-02-29) column 2, line 58 -column 3, line 68; figure  US 4 878 355 A (BECKEY THOMAS J ET AL) 7 November 1989 (1989-11-07) column 2, line 13 -column 5, line 9; figures 1-5  DE 195 06 143 A (DANFOSS AS) 5 September 1996 (1996-09-05) page 3, line 53 -page 5, line 45; figures 1-3  WO 02 086396 A (CRANE CURTIS ; JUDGE JOHN (US); YORK INTERNAT CORP (US)) 31 October 2002 (2002-10-31) page 4, paragraph 19 -page 18, paragraph

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Information on patent family members

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# INTERNATIONALER RECHERCHENBERICHT

Internationales Aktenzeichen
PCT/CH 02/00685

		02/00685					
C.(Fortsetz	(Fortsetzung) ALS WESENTLICH ANGESEHENE UNTERLAGEN						
Kategorie°	Bezeichnung der Veröffentlichung, sowell erforderlich unter Angabe der in Betracht kommenden Teile	Betr. Anspruch Nr.					
A	US 4 835 980 A (OYANAGI REINOSUKE ET AL) 6. Juni 1989 (1989-06-06) Spalte 1, Zeile 14 -Spalte 3, Zeile 35 Spalte 10, Zeile 22 -Spalte 18, Zeile 53; Abbildungen 1,10-15	1,3,6					
A	DE 44 30 468 A (DANFOSS AS) 29. Februar 1996 (1996-02-29) Spalte 2, Zeile 58 -Spalte 3, Zeile 68; Abbildung	1,4,10					
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